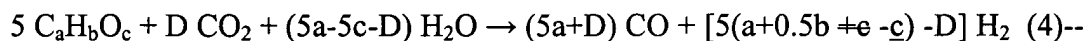


### Amendments to the Specification:

Please replace the paragraph starting on page 12, line 30 with following rewritten paragraph so that "+c" is "-c" in the chemical equation:

--A generalized chemical reaction can be written for any carbonaceous feedstock, as expressed by the generalized empirical formula  $C_aH_bO_c$ :



Please replace the paragraph starting on page 13, line 6 with following rewritten paragraph so that "+c" is "-c" in the chemical equation:

--Also, to help to adjust the  $H_2/CO$  ratio needed for Fischer-Tropsch synthesis of useful chemical co-products to sequester the carbon and avoid greenhouse gas emissions, examining this  $H_2/CO$  ratio is helpful, since it is expressed as:

$$\frac{H_2}{CO} = \frac{5(a + 0.5b \mp e -c) -D}{5a + D} \quad --$$

Please replace the paragraph starting on page 13, line 16 with following rewritten paragraph:

--To achieve higher hydrogen concentrations at high temperature to drive the fuel cells, increased feedstock hydrogen content together with an excess steam ~~over~~ below stoichiometric levels,  $(5a-5c-D)$ , is allowed and is combined with the recycled fuel cell carbon dioxide, D. As shown in Fig. 7-10, this provides the chemistry at thermodynamic equilibrium that achieves a higher hydrogen-rich syngas that remains high and steady in hydrogen over a broad high temperature range up to and beyond 1300°C without catalysts.--